In the claims:

1. (CURRENTLY AMENDED) An impact resistant composite comprised of two or more layers; at least two of said layers being two adjacent fibrous layers each comprising a network of filaments having a tensile modulus of at least about 150 g/denier, an energy-to-break of at least about 8 ~~j/g~~ J/g and a tenacity equal to or greater than about 7 g/denier in a rigid matrix wherein said matrix comprises a blend of one or more thermosetting resins, one or more thermoplastic resins and an effective amount of an initiating/compatibilization agent, wherein the peel strength between adjacent fibrous layers is at least about 3.0 ~~lbs~~ lbs/in as determined by the peel resistance test of ASTM-D-1876-72, and which initiating/compatibilization agent comprises an initiating and compatibilization agent.

2. (CURRENTLY AMENDED) A composite according to claim 1 wherein said filaments have a tensile modulus of at least about 150 g/denier, an energy-to-break of at least about 8 J/g and a tenacity equal to or greater than about 7 g/denier.

3. (CURRENTLY AMENDED) A composite as recited in claim 2 wherein the filaments have tenacity equal to or greater than about 10 g/d, a tensile modulus equal to or greater than about 300 g/d and an energy-to-break equal to or greater than about 10 ~~j/g~~ J/g.

4. (CURRENTLY AMENDED) A composite as recited in claim 3 wherein said tenacity is equal to or greater than about 20 g/d, said tensile modulus is equal to or greater than about 500 g/d and said energy-to-break is equal to or greater than about 15 ~~j/g~~ J/g.

5. (CURRENTLY AMENDED) A composite as recited in claim 4 wherein said tenacity is equal to or greater than about 25 g/d, said tensile modulus is equal to or greater than about 1000 g/d, and said energy-to-break is equal to or greater than about 20 ~~j/g~~ J/g.

6. (CURRENTLY AMENDED) A composite as recited in claim 5 wherein said tenacity is equal to or greater than about 30 g/d, said tensile modulus is equal to or greater than

about 1300 g/d and the energy-to-break is equal to or greater than about 40 ~~j/g~~ J/g.

7. (CURRENTLY AMENDED) A composite as recited in claim 1 wherein said filaments are polyethylene filaments having a tenacity equal to or greater than about 20 g/denier, a tensile modulus of at least about 800 g/denier and an energy-to-break of at least about 35 ~~j/g~~ J/g.

8. (CANCELLED)

9. (CANCELLED)

10. (ORIGINAL) A composite as recited in claim 1 wherein said peel strength is equal to or greater than about 6 lbs/in.

11. (ORIGINAL) A composite as recited in claim 1 wherein said peel strength is equal to or greater than about 8 lbs/in.

12. (ORIGINAL) A composite as recited in claim 1 wherein said network of filaments comprises a sheet-like filament array in which said filaments are arranged substantially parallel to one another along a common filament direction.

13. (CURRENTLY AMENDED) A composite as recited in claim 12 wherein said composite comprises more than one layer, with adjacent layers aligned 90° ~~which~~ with respect to the longitudinal axis of the parallel filaments contained in said layers.

14. (CANCELLED)

15. (ORIGINAL) A composite as recited in claim 1 wherein said network of filaments comprises a non-woven fabric.

16. (ORIGINAL) A composite as recited in claim 1 wherein said network of filaments comprises a woven fabric.

17. (ORIGINAL) A composite as recited in claim 1 wherein the volume fraction of said filaments is at least about 0.4.

18. (ORIGINAL) A composite as recited in claim 1 wherein said matrix material comprises one or more thermosetting resins selected from the group consisting of vinyl esters, phenolic, epoxies, allylics, urethanes, unsaturated polyesters and alkyds, and one or more thermoplastic resins selected from the group consisting of polyamides, polystyrene-polyisoprene-polystyrene block copolymer, polyacrylics, polycarbonates, polyurethanes, polyarylene oxides, polyarylene sulfones, polyarylene sulfides, polyacetals, polyvinyl acetate, polyether ether ketones, polyaramids, polyesteramides, and polyimides.

19. (ORIGINAL) A composite as recited in claim 18 wherein said thermosetting resins are selected from the group consisting of vinyl esters, phenolics and epoxies, and said thermoplastic resins are selected from the group consisting of polyurethanes and polyamides.

20. (ORIGINAL) A composite as recited in claim 1 wherein said matrix comprises a thermoplastic polyurethane and a thermosetting vinyl ester.

21. (CURRENTLY AMENDED) A composite as recited in claim 1 wherein the matrix comprises a thermoplastic polystyrene-polyisoprene-polystyrene block copolymer and a thermosetting vinyl ester~~thermoset vinylester~~.

22. (CURRENTLY AMENDED) A composite according to claim 1 wherein the tensile modulus of said matrix material is equal to or greater than about 3,450 kPa.

23. (ORIGINAL) A composite according to claim 1 which further comprises at least one layer of a hard rigid material.

24. (ORIGINAL) A composite according to claim 23 wherein said rigid material is selected from the group consisting of metals, ceramics, and glass reinforced polymers.

25. (CURRENTLY AMENDED) A composite as recited in claim 1 wherein said effective amount is at least about 1% by weight of the blend.

26. (CURRENTLY AMENDED) A composite as recited in claim 25 wherein said effective amount is from about 1% by weight to about 20% by weight of the blend.

27. (CURRENTLY AMENDED) A composite as recited in claim 26 wherein said effective amount is from about 1% by weight to about 10% by weight of the blend.